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DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone NATIONAL PARK

FILE NO. 143

(File Copy)

MONTHLY REPORT

September, 1925

SEPTEMBER, 1925

October 10, 1925.

Dear Sir:

The following is my report on conditions in the Yellowstone National Park, and on the operation of the Park, for the month of September, 1925:

I. GENERAL CONDITIONS

Weather

The following records are quoted from the report for September of the Observer in Charge of the local United States Weather Bureau at Mammoth Hot Springs, Park Headquarters:

The month was unseasonably cool, with the greatest September precipitation of record, except 2.85 inches in 1901.

TEMPERATURE: Monthly mean, 49.8°, is 3.6° below normal. The first few days of the month were moderately warm, while persistently cool weather prevailed thereafter. The highest was 80° on the 3rd and the lowest was 28° on the 22nd.

PRECIPITATION: Total, 2.73 inches, is 1.72 inches above normal, and with one exception the greatest for September since the record began in 1889. Unsettled weather prevailed generally, with rain or snow at frequent intervals.

SNOWFALL: Total 4.3 inches, is about three times the normal amount. Three inches fell on the 21st and the remainder in the storm of the 29-30th. However, it soon melted after falling.

WIND: Average hourly velocity 6.8 miles; normal 7.4. The maximum velocity was 38 miles per hour from the south on the 19th.

SUNSHINE: Percentage of possible 51; normal 63. Number of days clear 8, partly cloudy 10, and cloudy 12.

General Economic Conditions
affecting Park travel and operation

Labor situation: After the 15th of the month a great deal of difficulty was encountered in holding men. Practically no one working on the outgoing crews would accept transfer to construction crews that were remaining. By the time the season closed practically every maintenance crew was off the roads except the telephone crew and the sprinkler repair crew. One or two small crews were cleaning out drainage ditches used in mosquito control.

Travel

The park season was officially concluded on September 20th and the travel records were closed on the 25th; the total of the season's travel was 154,282 persons as compared with 144,158 last year. A detailed statement of the travel this season is included herein and copies of same have been mailed to interested railway officials, particular friends of the park, concessioners of this and other parks, and leading newspapers of the country.

Special Visitors

Hon. L. C. Cramton, Chairman of the Interior Department Sub-committee of the House Appropriations Committee, who entered the Park with his sub-committee on August 6, left via West Yellowstone on September 4th. His wife and son accompanied him, but his daughter returned to their home in Michigan.

Hon. Franklin W. Fort, newly elected Member of the 69th Congress, from the 9th New Jersey District, entered the Park via the eastern or Cody entrance on September 4, after making a complete tour of the Park with a side trip to the Teton Mountains. He left via Gardiner on September 9. He was accompanied by Mrs. Fort.

Hon. Jeremiah E. O'Connell, Congressman from the 3rd Rhode Island District (Providence), accompanied by Mrs. O'Connell, made the regular tour of the Park coming in and going out via West Yellowstone September 11 to 15 inclusive. They have since gone to Zion National Park and the North Rim of the Grand Canyon.

Dr. Herman C. Bumpus, of Duxbury, Mass., Chairman of the Executive Committee of the Committee on Museums in National Parks, of the American Association of Museums, entered via the Gardiner gateway September 2, made a complete tour of the Park under the guidance of J. E. Haynes, Acting Director of the Yellowstone Park Museum, and left via Cody on September 8. The Executive Agent of

the American Association of Museums, Mr. Herbert Maier, entered at West Yellowstone on September 4, made the trip with Dr. Bumpus and Mr. Haynes, and left via West Yellowstone September 8.

Mr. William C. Gotshall, Conservationist of New York, the man who assisted in the establishment of National Park administration in Mt. McKinley National Park, made a tour of the park September 8 to 13 inclusive, entering and leaving via West Yellowstone.

Garnet Holmes, Pageant Master of the National Park Service, made a tour of the Park, September 11 to 15 inclusive, entering and leaving via West Yellowstone. He was looking into the possibilities of establishing a Yellowstone play and certain pageants to be carried on here each year.

Frank Cannon Morse, representing National Park-to-Park Highway Association, entered the Park at Gardiner on September 16. It is not known when he departed. He was in the park photographing in connection with publicity work for the Highway Association.

Mr. R. H. Palenske, of Palenske Young, Inc., commercial art firm of Chicago, Ill., arrived at West Yellowstone on September 10, and made a regular tour of the Park.

II. ADMINISTRATION OF THE PARK

Inspections of the Park by the Superintendent

September 1st Superintendent Albright inspected the Slough Creek ranches, and spent the remainder of the day with Congressman Cramton in his camp at Camp Roosevelt. On September 4 and 5 he made a complete inspection of the Grand Loop road system, spending the night of the 4th at Old Faithful. On September 10 he went to Lake Yellowstone and from there inspected the new Lake Shore road, going in from the Arnica Creek side, riding horseback over the unfinished work and coming out on the Bridge Bay side. He was accompanied by Assistant Engineer Burney and Assistant Engineer Davis. He came back to headquarters via Grand Canyon, Dunraven Pass and Camp Roosevelt.

September 16 he made a complete tour of the Park, accompanied by Mrs. H. W. Child, wife of the President of the Yellowstone Park Hotel Company. Mrs. Child and Mr. Albright were studying conditions about the hotels and transportation buildings with the idea of improving these grounds and doing other important landscape work. They also inspected the new Lake Shore road and discussed the matter of cleaning up the roadsides, particularly the side between the road and the lake shore.

On September 22 he left for the Superintendent's conference at Mesa Verde National Park, going via Salt Lake City, Zion National Park, the North Rim of the Grand Canyon and Bryce Canyon. He was accompanied by his wife and children and by Clerk Joseph Joffe and Mrs. Joffe.

Personnel

Employees: On September 1st there were 109 appointed employees on the payrolls and on September 30th there were 69. The following list shows the number of appointees of various classes serving during the month, with a general statement of the kind of work in which they were engaged:

<u>No.</u>	<u>Class</u>	<u>Kind of Work Performed</u>
1	Superintendent	General administration and supervision of all activities in the park.
2	Assts. Supt.	1 in charge of administration, purchasing, disbursing; 1 in charge of property, equipment, transportation, cost accounts, inventories, etc., also acting as Asst. to Supt. in capacity as Field Asst. to Director (resigned close Sept. 10).
2	Asst. Engineers	1 in charge of engineering work; 1 assisting.
8	Clerks	1 Cost Accounting Clerk; 1 Personnel and File Clerk; 1 Clerk on orders, proposals and vouchers; 1 Clerk on timekeeping and payroll work; 2 stenographer-typists on Superintendent's correspondence and handling miscellaneous work on administrative side of office (1 temporary); 1 Clerk assisting Cost Clerk (temporary- furloughed close Sept. 19); 1 Clerk assisting on Timekeeper's and Voucher Clerk's desks (temporary).
3	Electricians	Operated power plant, regular shift, including Sundays, read meters, did necessary line work.
3	Foremen	1 in charge of headquarters corral and freighting about headquarters; 2 on road work.

3	Telephone Switchboard Operators	2 permanent operators; 1 WAE operator for intermittent service.
1	Master Mechanic	In charge of shops and of repair to machinery.
2	Blacksmiths	General blacksmith work, including shoeing of horses in shop, repairing tools and equipment.
1	Master Plumber	In charge of general plumbing and water and sewer systems.
2	Auto Mechanics	1 on duty in power plant; 1 on repair work.
3	Laborers	Teaming, freighting, assisting mechanics, and miscellaneous work about headquarters.
1	Steward & Master of Transportation	In charge of all transportation and of storehouses.
1	Chief Buffalo Keeper	In charge of hay ranch operations and of Lamar Buffalo Herd.
1	Asst. Buffalo Keeper	In charge of hay ranch operations at Slough Creek.
1	Buffalo Herder	Assisting Buffalo Keeper.
1	Park Naturalist	Scientific research work and developing museum.
1	Chief Park Ranger	In charge of ranger force.
1	1st Asst. Ch. Park Ranger	In charge of Western Supervisory Territory.
2	Assts. Chief Park Ranger	1 on duty in Lake District; 1 placed in charge of Northern District.
25	Park Rangers, permanent (20 WAE)	Patrolling, protecting game and miscellaneous duties - 3 resigned during month.
42	Park Rangers, temporary, (summer force)	Patrolling, handling tourist traffic, building trails, fire lookout, lecture, guide, information, duty in Chief Ranger's office, miscellaneous duties under direction of station chiefs; and motorcycle patrol. (38 furloughed during month - 2 on duty at end of month - 2 transferred to permanent force.)
4	Park Rangers, temporary, (all year)	Patrolling, building trails, fire lookout, etc.

Leaves of Absence:

Joseph Joffe, Clerk, September 9-12, 4 days. (SICK)
Birt Vink, Blacksmith, September 1-24, 24 days. (SICK)

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Peter E. Bilkert, Asst. Supt., September 1-5, 5 days.
Charles D. Dale, Chief Electrician, September 1 (noon-3 (noon)), 2 days.
Andrew R. Edwin, Clerk, September 26 (noon), 1/2 day.
A. C. D. Henman, Laborer, September 26 (noon), 1/2 day.
Burton C. Lacombe, Chief Buffalo Keeper, September 25, 1 day.
Burton C. Lacombe, Chief Buffalo Keeper, September 15, 1 day.
Harry McFarland, Foreman, September 3, 1 day.
Julia S. Stockett, Clerk, September 29 (noon), 1/2 day.

Appointments and Promotions:

Harry J. Lick, Park Ranger, \$1500 per annum and quarters, WAE, promoted to Assistant Chief Park Ranger at \$1860 and quarters, WAE, effective September 20, 1925.
S. W. MacGibbon, Assistant Buffalo Keeper at \$1500 per annum and quarters, WAE, entered on duty September 1, 1925.
Peter R. Oard, Park Ranger, \$1500 per annum and quarters, WAE, entered on duty September 6, 1925.
Irving S. Aitken, Park Ranger, temporary, at \$1620 per annum less \$180 per annum for quarters, WAE, entered on duty September 26, 1925.
Guy E. McCarty, Park Ranger, temporary, at \$1620 per annum less \$180 per annum for quarters, WAE, entered on duty September 24, 1925.

Separations:

Paul D. Wells, Clerk at \$1500 per annum and quarters, WAE, furloughed close of September 19, 1925.
Carl H. Dunrad, Park Ranger \$1500 per annum and quarters, WAE, resigned close of September 5, 1925.
Peter E. Bilkert, Asst. Supt., \$2500 per annum and quarters, resigned close of September 10, 1925.
Nelson E. Hall, Park Ranger \$1500 per annum and quarters, WAE, services terminated close September 5, 1925.
John Delmar, Park Ranger, \$1500 per annum and quarters, WAE, resigned close of September 20, 1925.

Mr. Bilkert, Assistant Superintendent, left almost immediately for Michigan, his old home. For the present his place will not be filled, part of his work having been turned over to clerks in the office, and the remainder of it will be handled by the Superintendent himself.

Separations (Continued):

Park Rangers, WAB, furloughed:

Harry D. Ballard,	effective	close	of	September	17.
Luther L. Bohannon	"	"	"	"	2.
Joseph W. Byrns, Jr.	"	"	"	"	15.
Arthur S. Chapman	"	"	"	"	15.
Henry S. Conard	"	"	"	"	15.
John W. Delmar	"	"	"	"	20.
Lawrence P. Desmond	"	"	"	"	10.
William Ennis	"	"	"	"	10.
Jacob A. Goodman	"	"	"	"	10.
William R. Hamsa	"	"	"	"	9.
Karl J. Hardy	"	"	"	"	15.
Carl Henn	"	"	"	"	19.
Charles A. Hoyt	"	"	"	"	25.
John R. Huffman	"	"	"	"	10.
Wendell S. Keate	"	"	"	"	19.
Harlan L. Kelsey	"	"	"	"	19.
Wallace D. Keown	"	"	"	"	3.
Elmer E. Kingery	"	"	"	"	8.
William M. Kocher	"	"	"	"	16.
George W. Miller	"	"	"	"	15.
Rudolph M. Mulfinger	"	"	"	"	10.
Henry O. McCormick	"	"	"	"	15.
Frieda B. Nelson	"	"	"	"	20.
Winfield E. Page	"	"	"	"	3.
Ransom L. Park	"	"	"	"	2.
Ralph W. Pierson	"	"	"	"	9.
William R. Pollock, Jr.	"	"	"	"	10.
Tom A. Renick	"	"	"	"	8.
Eugene V. Robertson	"	"	"	"	15.
George T. Ross	"	"	"	"	15.
William R. Seward	"	"	"	"	15.
Surrel P. Smith	"	"	"	"	5.
John H. Sparrenberger	"	"	"	"	10.
Harold L. Strader	"	"	"	"	15.
Edward J. Tracy	"	"	"	"	17.
Mrs. Irene M. Wisden	"	"	"	"	20.
Jack B. Wisely	"	"	"	"	5.
Dorr G. Yeager	"	"	"	"	9.

Office Force Activities

During the month of September 1272 pieces of official mail were received and 2040 were sent out.

Four circulars were issued during the month; copies are attached.

Information office

There were 2162 visitors to the information office and museum during the month as compared with 1935 for September last year, and 2890 during September 1923; the season figures are as follows:

June 2906; July 25,175, August 12725, and September 2162, total 42968, as compared with 2870 in June, 13344 in July, 12528 in August and 1935 in September last year, total 30677.


Publications

Ninety-one thousand and seventy free publications regarding the park were distributed from the Information Office, entrance stations and ranger stations on the loop road. Eight thousand and eighty-nine Government publications, including 2291 portfolios were sold, as compared with 5647 Government publications, including 874 portfolios last year and 6792 publications including 1081 portfolios during the season of 1923. In addition, 1187 books of other publishers were sold as compared with 1037 last year. The free literature consisted of the following:

Figures for 1924 and 1925 comparative

<u>Title</u>	<u>1924</u>	<u>1925</u>
Rules and regulations	30760	27970
Manual for rail visitors	48800	39000
Manual for Motorists	4000	24100
Total	83560	91070

The sales report of the information office with comparative figures for the season last year is given in detail as follows:



Title	Number 1924	Amount	Number 1925	Amount
<u>Government Publications:</u>				
Bulletin A #611	23	11.50	31	15.50
Bulletin B #612	10	5.00	16	8.00
Fishes	333	16.65	456	22.80
Fossil Forests	839	83.90	1175	117.50
Glimpses	330	33.00		
Geysers	1349	134.90	1783	178.30
Geological History	1598	159.80	1854	185.40
Portfolios	874	874.00	2291	2291.00
U.S.G.S. Maps	242	60.50	429	107.25
A.A.A. Auto Maps	4	8.00		
Panoramic Views	45	11.25	54	13.50
Sub-total.....	5647	\$ 1398.50	8089	\$2939.25
<u>Miscellaneous:</u>				
American Antelope	57	17.10	21	6.30
Bridger, James			5	50.00
Bears of the Yellowstone			24	60.00
Chittenden, Yellowstone N.P.	25	62.50	145	362.50
Foolish Questions	79	39.50	106	53.00
Haynes' Guide Book	500	375.00	500	375.00
Nature Book	34	85.00	29	72.50
Truthful Lies	124	62.00	125	62.50
Trees & Flowers	122	91.50	112	84.00
Trees & Shrubs	4	2.40	8	4.00
Trees & Shrubs @ .75			19	14.25
Winter in Geyserland	9	4.50	5	2.50
White Bar Elk	83	12.45	38	5.70
Langford's Discovery @ \$1.50			16	24.00
Langford's Discovery @ .75			34	25.50
Sub-total.....	1037	751.95	1187	\$1201.75
<i>Season figures</i> Total.....	6684	\$2150.45	9276	\$4141.00

Finances

Costs of Operation, etc.: The cost of operating the park for the month of September, 1925, will be shown in the Monthly Cost Accounting Report which will go forward as soon as prepared.

<u>Revenues:</u>	<u>Sale of Electricity</u>	<u>Miscell- aneous</u>	<u>Total</u>
Money order #63347, dated Sept. 21, 1925, drawn by Postmaster at Yellowstone Park, Wyo., on Postmaster at Washington, D.C., (in payment of privilege to Chester A. Lindsley, Postmaster, to occupy present quarters for 1 year, amount)		\$ 1.00	
Certified Check #940, dated Sept. 2, drawn by Freda D. Whittaker on National Park bank, Livingston, Mont., to Leroy Hill, amount.....		9.45	
Certified Check #548, dated Sept. 2, drawn by J. E. Haynes on First Natl. Bank of St. Paul, to Leroy Hill, amount.....		2.80	
Certified Check #1445, dated Sept. 5, drawn by Vernon Goodwin on National Bank of Montana, Helena, Mont., to Leroy Hill, amount.....	\$ 438.35		
Certified Check #950, dated Sept. 10, 1925, drawn by Geo. Whittaker on The National Park Bank, Livingston, Mont., to Leroy Hill, amount.....	55.85		
Certified Check #550, dated Sept. 6, 1925, drawn by J. E. Haynes on First Natl. Bank of St. Paul, to Leroy Hill, amount.....		6.45	
Certified Check #549, dated Sept. 6, 1925, drawn by J. E. Haynes on First National Bank of St. Paul, to Leroy Hill, amount.....	62.20		
Certified Check #697, dated Sept. 10, 1925, drawn by H. W. Child on Natl. Bank of Montana, Helena, Mont., to Leroy Hill, amount.....	556.22		
Certified Check #370, dated Sept. 11, 1925, drawn by H. W. Child on Natl. Bank of Montana, Helena, Mont., to Leroy Hill, amount.....	188.07		\$1320.39

	<u>Sale of Electricity</u>	<u>Miscell- aneous</u>	<u>Total</u>
Brought forward.....			\$1320.39
Certified Check #2043, dated Sept. 26, 1925, drawn by Vernon Goodwin on Natl. Bank of Montana, Helena, Mont., to Leroy Hill, amount.....	\$ 499.10		
Certified Check #874, dated Sept. 18, 1925, drawn by Anna K. Pryor on Natl. Park Bank, Livingston, Mont., to Leroy Hill, amount.....	\$ 52.80	17.85	569.75
			<u>\$1890.14</u>
Sale of automobile & motorcycle permits.....			\$46830.21
Total for month.....			<u>\$48720.35</u>

Commissary & Transportation Dept.

Commissary employees were engaged in issuing rations, forage and supplies to all road and construction camps in the Park. The Transportation Department hauled rations, forage, cement, lumber and supplies to all road camps and ranger stations in the Park, moved road camps, and hauled T.N.T. to Dunraven Pass for spring snow removal.

III. MAINTENANCE OF IMPROVEMENTS AND FACILITIES

Grounds

The Foreman of Grounds and Stables reports the following employees on duty in his department during the month: 1 man and team at auto camp, 1 man and team sprinkling lawns, 1 man and team tearing down buildings, 1 man caring for lawns, 2 irrigators, 1 man and team hauling wood for auto camp; 1 man doing freighting about headquarters, 1 man at auto camp looking after sanitary conditions; 1 general utility man and 2 men and a team fencing shrubbery.

General Road Maintenance

The 24 small crews which have been employed during the summer maintaining the Park roads were called in to headquarters between the 1st and 10th of the month and disbanded for the season. This applies to the crew stationed in the Shoshone Forest to the east and another in the Teton Forest to the south. Equipment used by the Shoshone Forest crew was stored in the Holm Lodge storehouse and that used by the Teton Forest crew was stored at Moran in the Reclamation Service storehouse, where it will be available for use in the spring.

In connection with road maintenance work a log cribbing, five logs high, and 386 feet long, was constructed at a place about two miles from West Thumb toward the Lake to protect the roadway from washing when the Lake is high.

The steel bridge 1/2 mile south of Excelsior Geyser was redecked with three inch plank. The bridge is 68 feet long.

Road Sprinkling

Road sprinkling operations were discontinued soon after the first of the month and the equipment brought in to headquarters and crew disbanded. A rainy period at that time made road sprinkling unnecessary. The sprinkler repair crew drained all supply tanks, pipes and flumes and left the system in good condition for winter.

Trails

All trail work was concluded prior to September 1st.

Electrical & Telephone Systems

The following work was done by the electricians under the direction of the Chief Electrician during the month:

Rewired dark room for photo gallery in basement of frame barracks. Reset 900 poles and pulled up slack wire on Mammoth to Soda Butte telephone line (35 miles). Built 1/4 mile new telephone line from Soda Butte line to Soda Butte fish hatchery. Built 9 miles new telephone line Bechler River station to Reclamation Service line. (This line was mostly hung on trees, and work was done by Ranger force.)

Operation of Power Plant: The Power Plant was operated in the usual manner. It was run constantly with the results shown in comparison with those of September, 1924, as follows:

	1924	1925
Total current generated, in KWH	52,820	62,880.0
Of this, sold to public utilities		
at 5¢ per KWH	13,438.41	15,673.4
Street lighting	1,223.	1,198.
Balance, consumed for power and		
lighting in Government buildings,		
and lost on lines in transit	38,158.59	46,008.6
Peak load during month in KWH -	140	176
occurred at 8:00 p.m. on Sept. 1		
and Sept. 13, 1924, and at 7 p.m.		
September 12th, 1925.		

Operation of Telephone Office: The Telephone and Switchboard Office was open daily from 6:30 a.m. to 12:00 midnight until Sept. 19, and on September 20th the hours were changed (7:30 a.m. to 8:30 p.m.). The total business handled was as follows:

	1924	1925
On Government local lines.....	12,940	10,789
On Hotel Company lines.....	1,436	1,432
Long Distance connections.....	325	403
Total.....	14,701	12,624

Water and Sewer Systems

The following was done during the month of September by the Master Plumber and his assistants: Completed Thumb Auto Camp building and graveling roads; built 300 tables and enlarged auto camp at Old Faithful, also installed 700 feet 3" water pipe, 8 flush toilets and wash basins. General repairs to water and sewer systems at Mammoth.

General Sanitation

Ditching for mosquito control was carried out completely at the West Thumb, Old Faithful and Camp Roosevelt, and incompletely at the Lake, and particularly the Canyon. The six chlorine machines were operated in a fairly satisfactory manner with satisfactory bacteriological results of the chlorinated effluents. Twenty-nine samples of sewage were collected for examination. A tentative sewerage system was surveyed at Norris Ranger Station and automobile camp, also a water system. Inspections were made of practically all comfort stations and pit privies throughout the park. Eight samples of water supplies were collected for examination. Investigations were made of additional water supplies for the swimming pool at the Upper Basin and of the Madison Junction water supply and the railroad water supply at West Yellowstone. Additional investigations were made of the sanitary conditions of the Upper Basin swimming pool. Efforts were directed toward improving the milk and cream supplies in the Park.

Machinery and Equipment

The Master Mechanic and his assistants made repairs on all trucks and cars and overhauled one truck.

The Blacksmith did horseshoeing and made repairs to equipment.

Painting Department

The following work was done by the Painting Department during the month of September: Three rooms of school house were kalsomined and painted and the floors were oiled. Walls in telephone office were kalsomined and floors were varnished. All roofs at headquarters were painted. Glass was put in windows in Hilton's, Edwin's and O'Loughlin's quarters. Storm windows in Mr. Albright's house were glazed. Cascade Creek bridge was painted. Signs were made for Mr. Wiggins, and miscellaneous work was done around headquarters.

General Landscape Work

On September 9th work was resumed of cleaning up the roadsides between Mammoth and Norris Junction of rotten logs, fallen trees and other debris. Camp was established at Beaver Lake and a small crew started the cleanup at Obsidian Cliff, working toward Appolinaris Spring. At the end of the month one mile on both sides of the road had been cleaned and the material piled ready for burning. For a distance of one-half mile north of Obsidian Cliff the road is located between a steep sidehill on one side and Obsidian Creek on the other. Many fallen trees and logs were lying across the creek, presenting a very unsightly appearance. As the ground was too soft to support the weight of a horse, a long rope was used permitting the teams to pull from the roadway. The trees and logs removed from the creek were very wet and burned only when placed with a considerable quantity of dry wood.

From experience it was learned that this cleanup work is greatly expedited by burning the material promptly as it is cleaned up, not waiting until great piles are made that make considerable heat, or refuse to burn without constant attention. When work was resumed on the 9th of September, however, the adjacent forest was too dry to permit burning with safety, so the material was piled in the roadway for about one-half mile before weather conditions permitted burning operations to start.

On September 16th a second cleanup crew began at Norris and worked toward Mammoth. By the end of the month they had cleaned up the roadsides and piled the material for one-quarter mile.

It is the intention to use about twelve men and two teams in each crew as an outfit of that size seems to be the most efficient. A larger crew is necessarily too widely scattered for one foreman to watch. With so much construction work going on the park it has been impossible to fill these crews, although we had tried repeatedly in Gardiner and Livingston to hire more men.

For the month of September the time for work done by the Beaver Lake crew amounted to 45 team days and 203 man days, and time for the Norris crew amounted to 15 team days and 39 man days.

IV. CONSTRUCTION OF IMPROVEMENTS

Buildings

The log buildings begun in August at Cub Creek were completed. The bunkhouse and stable are to be used by the road crew. The bath house built over a warm pool is for the convenience of campers as well as road workers. The bunkhouse is 16 x 24 feet in size. It is partitioned to provide a recreation room 8 x 16 feet in front and a sleeping room 16 x 16 feet in the rear. The stable is 16 x 30 feet and has a loft for storing hay. On the lower floor are three double stalls and a tin lined oat bin 3 x 12 feet. The bath house is 12 x 16 feet; it is also built of logs with a shingled roof.

Another log building was built near Sylvan pass at the north end of Lake Eleanor. It is 16 x 20 feet in size and has a shingled roof. It was built to provide a comfortable place for the snow crew to stay while blasting snow from Sylvan pass in the spring. The building is provided with a cook stove, mess chest, tables, benches, double iron bunks and has a root cellar for storing provisions during the winter. It will be stocked this fall with provisions, cooking and mess equipment and bedding. In the spring the four or five men who do the blasting in Sylvan pass will walk in to the building over the snow. Heretofore it has been necessary to take in everything, tents, provisions and cooking utensils, requiring considerable time and causing additional expense. The new building will also have the advantage of providing a warm place where wet clothing can be dried out in the evening.

Roads

Project #1 - Firehole Cutoff. No funds appropriated.

Project #2 - Great Fountain Geyser Basin Road. No funds appropriated.

Project #3 - Lake Shore Road. Available appropriation, \$60000.00. This job which is the reconstruction of the Old Lake Shore road is being done partly by force account and partly by contract.

A force account crew in charge of Foreman Knochs is working on the Bridge Bay end, grading, installing culverts and clearing right-of-way.

Following is the estimate to date of work done by this crew:

	Unit	Previous	Sept.	Total
Excavation, common	cu.yds.	13880	4587	18467
Overhaul	cu.yds.			
	stations	13282	1965	15247
12" C.M.P. culvert in place	lin.ft.	306	54	360
18" C.M.P. culvert in place	" "	166	64	230
24" C.M.P. culvert in place	" "	84	0	84
Clearing and grubbing	stations	227	43	270

In addition to the above estimate, 4500 feet of roadway was constructed with the power grader. A start was also made in cleaning up the roadsides for a distance of about 100 feet back, of fallen trees, rotten logs and other debris and about one-half mile completed. Due to the expense and amount of labor required, however, it was necessary to discontinue this cleaning up for the present.

Following is the personnel of Enoch's crew at the end of September:

1 Foreman	1 tractor operator
1 cook	1 power graderman
1 flunkey	1 4-horse graderman
1 blacksmith	2 axemen
1 powderman	2 4-horse teamsters
1 dumpman	5 laborers
	14 teams
	7 2-horse teamsters

Another force account crew in charge of Foreman Casey worked all the month on the Arnica Creek end of the job, clearing right-of-way. After the middle of the month the danger of starting forest fires was past, permitting the crew to pile and burn slashings as they went along, thus saving considerable by eliminating the necessity for going over the work a second time to burn. During the month, 95 stations were cleared and grubbed, making a total to date of 301 stations, or 5.7 miles of right of way cleared.

At the end of the month, the crew consisted of the following employees:

1 Foreman	6 axemen
1 cook	1 4-horse teamster
1 flunkey	3 2-horse teamsters
1 powderman	1 laborer
1 special laborer	5 teams

A third force account crew, in charge of Foreman White, was engaged the entire month on the construction of the reinforced concrete revetment wall at Bridge Bay. During the month, 1110 linear feet of base and 1200 linear feet of wall was built. In connection with this work, a concrete culvert 2' - 3" x 8' x 28' completed. Altogether 305 cubic yards of concrete was poured in September.

At the end of the month the crew consisted of a foreman, a cook, a flunkey, 6 special laborers, 3 form builders, 7 laborers, and 2 teamsters and 2 teams.

Preparations are being made to start the long fill over Bridge Bay. The steam shovel has been taken out on the job and made ready to begin operations as soon as the tractor and teams for hauling can be released from other work.

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The firm of McLaughlin & O'Neill of Livingston, Mont., who have the contract for placing culverts and grading eight miles of this road have their contract about 50% completed.

Following is their estimate to date:

	Unit	Previous	Sept.	Total
Excavation, common	cu.yd.	8122	6046	16168
" solid rock	" "	600	588	1188
Placing C.M.P. culvert 12"	lin.ft.	202	114	316
" " " 18"	" "	122	132	254
" " " 24"	" "	34	214	288
" " " 30"	" "	42	56	98
Overhaul	cu.yd. stat.	2775	457	3232

Project #4, South Entrance road, \$10,000.00 - reconstruction 1-1/4 miles - appropriation \$10,000.00. This sum has been re-allotted to the Reconstruction of the Inspiration Point Road.

Project #5, Teton Forest Road. Reconstruction, 9 miles. No appropriation.

Project #6, Madison Junction-Old Faithful Road. Reconstruction, 2 miles. Appropriation, \$6000.00. Completed in July 1925.

Project #7, West Thumb-Arnica Creek Road. Reconstruction 1 mile at Bluff Point. Appropriation, \$6000.00.

This project is being constructed by force account with a crew in charge of Foreman Weisgarber. The job is completed but a small crew is left to clean up and burn slashings.

Following is the final estimate:

	Unit	Previous	Sept.	Total
Excavation, common	cu.yd.	0	295	295
Excavation, loose rock	" "	1350	77	1427
Excavation, solid rock	" "	1928	656	2584
12" C.M.P. culverts in place	lin.ft.		96	96
18" " " " "	" "		34	34
24" " " " "	" "		36	36
Clearing	acres	1/2		

Project #8., Canyon Junction--Tower Junction Road. 1 mile reconstruction, 4 miles surfacing. No appropriation.

Project #9, Tower Junction--Hamsath Road. Reconstruction 4 miles, surfacing 4 miles.

Unit #1, Appropriation, \$24,000.00, completed in July 1925.
Unit #2, Appropriation, \$12,000.00, no work begun.

Project #10, East Entrance Road, reconstruction 7 miles; surfacing three miles. No appropriation.

Project #11, Mt. Washburn Road. Surfacing, 2 miles. Appropriation \$12,000.00. This sum has been reallocated to the reconstruction of the Inspiration Point Road.

Project #12 - Soda Butte Road. Surfacing 1 mile. No appropriation.

Project #13, Bechler River Road. New construction, 30 miles. No appropriation.

Inspiration Point Road. Reconstruction 2 miles. Available fund, \$22,000.00 which was reallocated from Projects 4 and 11.

Proposals for doing the work were opened on September 9th, and the contract awarded to the Pioneer Construction Company of Bozeman, Mont., for the sum of \$15,504.64.

Following is the estimate of quantities and the prices bid on the different classes of materials.

	Unit	Price	Amount	Total
Clearing	Acres	130.00	5.25	682.50
Grubbing	"	150.00	2.45	367.50
Solid rock	cu.yds.	1.24	7030	8717.20
Loose rock	" "	.60	3514	2108.40
Common	" "	.29	6686	1938.94
Concrete headwalls	" "	35.00	11.1	388.50
Overhaul	stat.	.07		
Finishing graded road	mile	150.00	2	300.00
C.M.P.culvert in place 12"	lin.ft.	2.05	160	328.00
" " " " 18"	" "	2.60	158	410.80
" " " " 24"	" "	3.65	72	262.80
Total.....				\$15504.64

Electrical & Telephone Systems

Norris-Lake telephone Line: The new telephone line under construction between Norris Junction and Lake Hotel was completed to a point within three miles of Lake Junction. The swath through the timber was cut out and poles set one-half mile further. The small survey party finished locating the line on September 10th and were laid off. The new line is located well back from the road in open places, and placed in a swath through timbered sections. The two old lines which were located in many places between the road and Yellowstone River have been removed.

Norris Geyser Basin Walk: In Norris Geyser Basin 264 linear feet of plank walks, four feet wide, was constructed, and a new hand rail built near the Black Crowler.

V. PROTECTION DEPARTMENT

Forest Insects and Insect Control

A survey of the insect infestation in the lodgepole pine areas of the upper basin of the Madison River was completed September 26th. Very little evidence of sawfly work was found but the needletyer has caused about the same amount of damage as last year. Large numbers of the worms are going to the ground where they will spend the winter in the chrysalis stage just under the top layer of old needles.

During the past three years about 80,000 acres of lodgepole has been more or less infested by the needletyer. About 34,000 acres of this is in the Yellowstone National Park and 46,000 acres in the Madison National Forest. Practically all of the timber on 4,480 acres in the Park and 7,680 acres in the Forest is dead while that on 8,960 acres in the Park and 10,880 acres in the Forest has been severely defoliated and probably will die. The remainder of the 80,000 acres is in fair to good condition and should recover unless again defoliated in the future.

A small but active barkbeetle infestation has been discovered in the whitebark pine at the Mt. Washburn Ranger Station in Dunraven Pass. Fourteen green infested trees were found and twenty-eight red topped abandoned ones. The mountain pine beetle (*Dendroctonus monticolae*) is the depredator. The infested trees will be treated this fall by felling and burning.

Ranger Patrols & Other Activities

Special wild animal patrols became effective along the east and south boundaries on September 15th, which was the opening date of the big game hunting season in Wyoming. The objects and purposes of these patrols are to provide full and complete protection to all wild animals within the park, to prevent trespasses by hunters on park lands and to cooperate with the Forest Service and the State Game Department of Wyoming in the enforcement of the Forest Service regulations and the game laws of the State at points adjacent to the park boundaries.

The hunting season in Montana begins October 15th and ends December 20th requiring constant patrols along the north and west boundaries, and park rangers assigned to these special patrols will cooperate with the Forest Service and the State Game Department of Montana in all matters relating to law enforcement as indicated in the preceding paragraph. Long hours of exacting duties will characterize the daily routine of all park rangers during the course of the hunting season.

Ranger stations and snowshoe cabins are being rationed and equipped for winter use; this work requires considerable time and labor as most of the snowshoe cabins are situated at remote points and can be reached only by trail. All supplies and equipment are transported to these points on pack horses; this work is now in progress and should be completed by October 15th. The winter season assignments for members of the permanent ranger force were announced early in the month and all necessary changes in compliance therewith have since been effected. I will also advise that the Chief Ranger and his assistants have erected, during the month, about 10 miles of new telephone line which by arrangement with the Reclamation Service has been connected with a section of their line along the south boundary; this arrangement provides phone

connections between Headquarters and the Bechler River Station via Snake River. The line was completed and phone connections established on September 19th.

General Conditions of Wild Animals

The forage conditions outlined in the July and August reports substantially states the situation at this time. The crop is remarkably good at all points within the park and there are no indications of a food shortage for wild animals this winter. The prospects for the winter season are good.

Elk: A moderate drift of the elk from their summer range is now in progress; this movement is not unusual in any particular and has not materially diminished the sufficiency of their winter range. A more than average calf crop is indicated by the counts submitted by rangers on patrol and their condition is excellent.

Antelope: There were 43 antelope on the slopes of Specimen Ridge as late as September 20th; the main herd continues in the Tower Falls District, a few have arrived in the Gardiner District but there has been no drift of consequence to date. A full count will not be obtainable, until the winter season is well advanced. Daily patrols of the antelope range will become effective immediately following the close of the hunting season along the north line.

Sheep: There is nothing of interest to report at this time.

Deer: Three does of the Mammoth herd moved down on the plaza at headquarters on the evening of September 13th. This number was increased to 18 by the end of the month. All the members of this band which comprises about 36 are generally assembled on the headquarters lawn by October 15th. Their first appearance last season occurred on August 20th. Small bands and scattered individuals are commonly seen in the Gardiner, Hellroaring and Tower Falls Districts and at points along the Gibbon, Firehole and Madison Rivers.

Moose: No moose counts of interest were submitted during the month. However, cows with calves and occasional young bulls have been observed at numerous points throughout the park. The annual increase appears to be normal; they are splendidly suited to winter season conditions in the park and losses from winter kills are rarely observed. Moose hunting is now prohibited in all adjoining states.

Buffalo - Lamar River Herd: A round-up of the bulls and steers of this herd, numbering about 300, was had late in August; they were assembled at the ranch for show purposes in connection with the Buffalo Plains week activities at this point. These activities extended over a

period of 3 days beginning August 30th. The buffalo were released immediately thereafter and promptly moved back to their summer range on the slopes of Mt. Morris.

The show herd at Mammoth Hot Springs consisting of eleven selected bulls was removed to the buffalo ranch on the 22nd. This band originally consisted of twelve but a loss of one was sustained on September 10th; he had been fatally gored by another bull and was slain by the Chief Ranger when it became evident he could not recover. The herd is in splendid condition. The total of the calf crop this year is 120.

Buffalo - Cold Creek-Pelican Flats Herd: There is nothing of interest to report at this time.

Bears: Bears have been regularly seen in reduced numbers at all the main points of interest during the month but as their food supply diminishes they will re-appear with annoying persistence at the various hotels and camps throughout the park.

Small Animals: The activities of rodents are mostly concluded. The beaver are well provisioned for the winter; a small colony near the petrified tree - Tower Falls District - appeared to be near the end of their food supply but the rangers at Tower Falls Station cut and placed conveniently for them a liberal supply of aspen which they promptly accepted. Other small animals of the fur bearing variety have been rarely seen this season to date.

Predatory Animals: There is nothing of importance to report on predatory animals. An occasional coyote was observed on the meadows along the loop road late in the month but their appearance has not been unusual either in point of time or in the numbers seen. Lion signs have been recently observed near the seven mile post on the Madison River.

Dogs: One hundred and fifty-two dogs were admitted during the month subject to the condition that they be kept on leash or crated at all times while in the park. The season total is 1948 as compared with 1899 last year.

Buffalo and Other Ranch Operations

Hay harvesting was concluded at the various ranches during the month; other activities have consisted of repairs and maintenance to fences, buildings and grounds. The fall season plowing is also in progress at Buffalo Ranch and at Slough Creek and will be reported in full next month. The hay crop as indicated by measurements recently submitted reads as follows:

Buffalo Ranch 1020.86 tons, Slough Creek Ranch 173.17 tons, Yancey Ranch 73.48 tons, Gardiner Ranch 99.07 tons, total 1366.58 tons. There is a balance of 29 tons of old hay at the Gardiner Ranch. The May report showed a balance of 30 tons of old hay at Buffalo Ranch, 6 tons at Slough Creek and 2-1/2 tons at Yancey's which has since been fed to work horses and in addition thereto 25 tons of new hay, not included in above totals, has been fed to work and saddle stock at the Buffalo Ranch.

Fish and Fish Planting

Fishing: Reports from exit stations show a total of 4429 fish taken from the lakes and streams of the park during the month which together with 4363 reported for June, 21,192 reported for July, and 15,255 reported for August, makes a total of 45,239 for the season.

The catch by rail tourists and by employees of the Park Service and the public utilities are not included in these figures.

Fish Planting: Fish planting operations have been generally in charge of the Bureau of Fisheries except for two shipments late in August from the Fish Hatchery at Bozeman, Mont., which were planted by park rangers as follows:

Rainbow fry - 40,000 planted in the Gibbon River near Harris
Rainbow fry - 40,000 planted in Goose Lake

The plants reported in July were incorrect in some particulars and pursuant to the corrected report recently had from Mr. Culler of the Yellowstone Lake Fish Hatchery, correction is made at this time by giving a detailed statement of the entire fish planting operations for the season which reads as follows:

Rainbow fry - from the Bozeman, Montana, hatchery	
Gibbon River	40,000
Goose Lake	40,000
Total.....	80,000

<u>Blackspotted Trout - Fingerlings</u>	
Squaw Lake	50,000
Slough Creek	90,000
Transportation Creek	50,000
Long Creek	50,000
Clear Creek	275,000
Cub Creek	90,000
Flat Mountain Arm Creek	150,000
Sylvan Lake	63,000
Pelican Creek	495,000
Thumb Creek #1	50,000
Thumb Creek #2	50,000
Grinnell Creek	65,000
Blacktail Deer Creek	90,000
Grouse Creek	210,000
Bridge Creek	65,000
Hatchery Creek	160,000

Middle Creek	90,000
Upper Firehole	60,000
Lower Creek	50,000
Lava Creek	50,000
Crawfish Creek	60,000
Grayling Creek	96,000
Chipmunk Creek	300,000
Trout Creek	20,000
Cascade Creek	70,000
Little Firehole	20,000
Iron Creek	10,000
Mallard Lake	6,000
Summit Lake	12,000
Total	2,847,000

Blackspotted Trout - eyed eggs:

Bucks Lake	25,000
Shrimp Lake	25,000
Culler Lake	25,000
South Fork of Fish Creek	25,000
Fish Lake	300,000
Pebble Creek	100,000
Chipmunk Creek	194,000
Grouse Creek	240,000
Clear Creek	257,000
Cub Creek	240,000
Hatchery Creek	8,760
Grassy Creek	50,000
Total	1,489,760

Total eggs collected - Black spotted Trout	11,748,000
Plants within the park from eggs	
collected in park waters: Fingerlings	2,847,000
Eyed eggs	1,489,760
Total	4,336,760

Rainbow Trout - fry - received from	
Montana State Hatchery at Bozeman	80,000
Total of all plants in park waters	4,416,760

Total shipments to points outside the park:	
Eyed Eggs	6,726,000

The shipments to outside points include 1,085,000 delivered to the States of Montana, Wyoming and Idaho to be hatched and planted in the waters adjacent to Yellowstone Park.

Arrests & Violations of Law

No arrests were made during the month and no proceedings were had before the United States Commissioner.

A total of 34 cases were heard by the Commissioner during the season, resulting in 27 convictions, 6 acquittals and 1 defendant held to answer to the United States District Court. Fines totaling \$669.50, exclusive of costs, were imposed. There were 21 cases involving violations of speed regulations, 4 cases of passing fraudulent paper, 1 case of drunken and disorderly conduct, 2 cases of indecent assault, 2 cases of trespassing and obnoxious conduct, 3 cases of defacing geyser formations and 1 case involving an alleged violation of the National motor vehicles Act, total 34.

Forest Fires

A small forest fire, not previously reported occurred on the north side of the Yellowstone River at a point about 4 miles from the Tower Falls station on the afternoon of August 23rd. It originated from a camp fire left by a fisherman and burned over an area of about 1/4 of an acre; several live trees were destroyed. Two rangers from Tower Falls station extinguished the fire in about 4 hours' time.

Only two forest fires occurred during the entire season and the damage on both occasions was slight.

Accidents and Casualties

Re. four weeks old infant of Mr. & Mrs. Myron M. Brandon, Coldwater, Ohio. Mr. and Mrs. Brandon arrived at Yellowstone via the West entrance on August 31st. They were driving a Ford car, Ohio license #80-047, Permit #18711, and stopped at the Old Faithful Public Auto Camp on the night of August 31st. When they retired for the night the infant appeared to be in perfect health but upon their awakening at seven A.M. on the morning of September 1st they found the child to be dead. Miss Bertha Gambel, the nurse at Old Faithful Camp, was immediately called and rendered all possible assistance in having the remains removed to the Park Hospital at Mammoth Hot Springs. There was nothing to indicate the cause of death. Funeral arrangements were completed through Dr. G. A. Windsor, Surgeon in charge of the Yellowstone Park Hospital.

Re. Mr. W. J. Stapleton of San Diego, California, driving Chandler car, and Yellowstone Park Transportation Company truck #932, driven by Chester Nelson. Mr. Stapleton reports collision with truck

on the Gibbon Canyon road, resulting in personal injuries to himself and damages to his car. The incident was witnessed only by the parties in interest and their statements are in conflict. The statements of the parties involved have been forwarded to the insurance adjuster without comment.

Re. Gertrude Tomasko of 1604 - 1st Ave., Minneapolis, Minn.
Auto accident resulting in death. An unfortunate incident occurred about 11:15 a.m. September 19th, 1925, resulting in the death of Miss Tomasko. She was en route from the park and was traveling in a Durant roadster, California license #801343, driven by Frank Marty.

Miss Tomasko and Mr. Marty had been employed at Mammoth Hotel Yellowstone Park, Wyoming, and by reason of the closing of the tourist season, their services were terminated on the morning of the nineteenth of September.

The statement of Mr. Marty is to the effect that they were proceeding from Mammoth to Gardiner and attempted to pass a truck traveling in the same direction at a point about 2-1/2 miles below Mammoth; he states that he sounded his horn twice when approaching the truck and that the driver swung slightly to his own right but immediately resumed his position in the center of the road at the instant when Mr. Marty was attempting to pass. There was insufficient clearance and in order to avoid a collision he went down over the bank into the river; the incline drops sharply at this point for a distance of about 30 feet. The car descended to the river and rolled over several large boulders where it came to a stop, in comparatively deep water, in an overturned position. Mr. Marty and Miss Tomasko were trapped in the car and were completely immersed under the wreckage of the car. Mr. Marty succeeded in getting his head above the water and eventually managed to get ashore; a passing conveyance shortly thereafter removed him to Gardiner where he was given medical attention by Dr. J. M. Wolfe. When he had sufficiently recovered to realize what had occurred he made inquiries concerning the girl, but in the meantime, Mr. C. E. Richey, and Mr. George E. Belshaw, Yellowstone Park Transportation Company employees, had observed the wreckage of the car and found the dead body of the girl, which was promptly removed to the Yellowstone Park Hospital at Mammoth Hot Springs and was afterwards identified by Mrs. J. E. O'Brien of #14 Jefferson St., Helena, Mont., and Miss Helen Wilson of 1533 Wright Street, Flint, Mich.

The identity of the truck driver has not been learned and it appears quite probable that he had no knowledge of what occurred. Mr. Marty thinks that he did not stop and possibly did not hear or see them. The noise of his motor in action would make this conclusion plausible.

Road conditions were good at the point where the incident occurred; three cars could safely pass if necessary. The grade is very moderate. The car left the road at a point about midway of a straightaway of approximately five hundred feet in length. The tracks of Mr. Marty's car were plainly visible on his own extreme left of the road for a distance of 40 feet or more from the point where his car turned over and it was plainly evident that his brakes had not been applied.

The remains of Miss Tomasko were delivered to Undertaker Walter E. Selby of Livingston, Mont., who communicated with her sister, Mrs. Tom Lond, of Minneapolis, Minn., through the matron of the "Central Club" (Y. S. C. A.), 1804, 1st Avenue, South, Minneapolis, Minn., with the view of completing funeral arrangements.

Miss Tomasko and Mr. Marty have records of excellent service with the Hotel Company and their friends advise that they had arranged to be married upon their arrival at Livingston. Their sad misfortune is sincerely deplored, but the inescapable conclusion is that the incident resulted from excessive speed and lack of caution on the part of the driver of the Durant car. Special efforts are now being made to learn the identity of the driver of the truck and on further inquiry it was learned that the truck was driven by A. J. Schroeder, an employee of the Yellowstone Park Camps Company. Mr. Schroeder was questioned by the Chief Ranger and denied any knowledge of the incident. He states that he had no information regarding the occurrence until he returned to Mammoth.

Re. Mr. R. O. Jernison, driving Chevrolet car, Wyoming license #31691, and Jackson Hole bus (Yellowstone Park Transportation Co.) driver #37109. The above named cars collided about 3:45 p.m. on September 4th, 1925, at a point about 15.7 miles south of Thumb Station on the Thumb to Snake River road. Mr. Jernison was proceeding to Moran and the bus was en route to Lake Hotel. Both cars were said to be traveling well within the speed limits and were otherwise observing traffic regulations. The collision occurred on a sharp curve; the road is narrow at this point and was soft and slippery on account of recent showers.

The bus was proceeding along the outer edge of the road as far to its own right as it could safely travel. Minor damages were sustained by the Chevrolet car. There were no personal injuries. The incident was witnessed by Mr. J. S. Haynes of 341-5 Selby Ave., St. Paul, Minn.

Re. Mr. J. A. Mason, Park Service employee - personal injury. Injury occurred on Sept. 16th, 1925, about 10:00 a.m., in line of duty, and was occasioned by his being thrown from a log by a falling tree. His injuries consist of ligaments torn from the joint of the right ankle; probable duration of disability 4 weeks.

Re. Mr. Leon S. Cook - Park Service employee - personal injury.
 Injury occurred on September 3rd, 1925, about 5:00 p.m., in line of duty; he accidentally struck his left foot with an ax and severed the end of the great toe. Period of disability 15 days.

One hundred and forty-one Park visitors received First Aid treatment by Park Ranger Wendell S. Keste at Thumb Station, during the course of the season; these treatments were classified as follows:

Bear bites	104
Accidental cuts, bruises, etc., to hands and feet	11
Eye injuries	1
Heart cases	5
Mountain fever	1
Erysipelas	1
Septicaemia	2
Pneumonia	1
Drug addict	1
Stomach trouble	1
Diarrhoea	1
Emergency dental treatment	5
Burns	5
Abdominal injuries	1
Sprains	1
Total.....	141

In addition to the above, 22 Government employees and 11 public utilities employees received surgical or medical treatment at the Thumb dispensary.

Re. Mr. F. W. Eccles of Gardiner, Mont. Mr. F. W. Eccles of Gardiner, Mont., driving Vellie car, Montana license #71311, permit #1533, issued June 28th, 1925, was apprehended by Park Ranger Thad C. Pound at the North entrance to Yellowstone Park on the morning of Sept. 17, 1925, on a charge of disorderly conduct and directed to report at the Chief Ranger's office and answer inquiries concerning the same:

He had been reported by Park Ranger William Kocher for reckless driving and speeding down the grade past the community house and Park hospital at Mammoth Hot Springs, and for an assault and battery on the person of a woman passenger who was riding with him in the front seat of the car. The assault and battery was alleged to have occurred while he was speeding down the grade past the Community House.

The windshield of the car was broken during the encounter and Ranger Kocher asserted that it was caused by the woman's head being knocked against it.

There were three other passengers in the rear seat of the car; their names were not secured, but they were otherwise identified as

colored employees, (car cleaners) of the Northern Pacific Railway Company at Gardiner, Mont., and consisted of two men and a woman.

Mr. Kocher signalled the car to stop but his signal was ignored and the car rapidly disappeared around the curve below the Hospital; the incident was promptly reported to the Chief Ranger's Office, and on instructions from the Chief Ranger, Mr. Eccles was apprehended shortly thereafter when he attempted to exit at the north gate. The woman was hysterical and bleeding freely from a cut on her right forearm when they arrived at the checking station.

They were accompanied by Mr. Pound to the Chief Ranger's Office, and were questioned by the Chief Ranger regarding the trouble. Mr. Eccles admitted that he had an encounter with the woman under the circumstances alleged but denied striking her and asserted that she broke the windshield with her foot by deliberately knocking it out; his statement was supported by the three colored passengers in the rear seat of the car. The injured woman would not disclose her identity but her statement was to the effect that she met Mr. Eccles at Livingston about 2 a.m. on the morning of the 17th and rode with him from Livingston to Gardiner; that they proceeded from Gardiner to Mammoth Hot Springs, Yellowstone Park, Wyo., about 9 a.m. The trouble occurred on the return trip to Gardiner. Her statements as to what occurred were vague and indefinite except that she charged Mr. Eccles with striking her in the face with his fist and that the windshield was broken by her head striking against it as a result of the blow. She did not explain the cut on her forearm but the other occupants of the car asserted that it was done accidentally when she afterwards attempted to remove some pieces of glass projecting out from the frame of the windshield. Her injuries were dressed by the nurse at the Mammoth Hotel immediately following her arrival at headquarters.

She further states that Eccles had a glass jug containing one gallon and a bottle containing one quart of moonshine liquor in his car when the incident occurred and that he cached it near the roadside on their return trip to Gardiner. There was no liquor in the car when they arrived at the Gardiner checking station. The woman was intoxicated and required assistance when she attempted to walk. Eccles stated that she was intoxicated when he took her into his car at 2 a.m. (at Livingston) but that he had no liquor in his possession and that she did no drinking to his knowledge after they left Livingston. The appearance and condition of the woman and the appearance of Eccles himself, clearly indicated they had been drinking throughout the night.

The statement of Eccles was supported by his three colored passengers; the statement of the woman was supported in part by the statement of Park Ranger Kocher who witnessed the assault from a considerable distance, and since there was some doubt as to the sufficiency of the evidence to sustain a charge against Eccles

before the Commissioner, the matter was disposed of by the party being escorted to the north gate, where Eccles was advised that he could not re-enter the park except by authority of the Superintendent.

Special Incidents

Mr. Roy Upp, barber at Mammoth Hotel, Yellowstone Park, Wyo. Mr. Upp appeared at the Superintendent's office on September 19th and reported a shortage of \$350.00 in his savings which had been kept in the safe in the hotel office during the season for safekeeping. A small metal box was used as a container which he delivered to and received from the Cashier from time to time. No receipts were ever requested or received and the cashier was not informed regarding the contents of the metal box other than that it contained money. The circumstances indicated that the money had been removed from the metal box by someone having access to the safe as the lock was insecure and could be easily turned by small keys in general use. The names of all persons having access to the safe were secured from the manager of the hotel, and on request they appeared at the Superintendent's office and were questioned by him but no information was secured that would indicate the identity of the person responsible for the shortage. Mr. George Johnson, clerk, was said to have free access to the safe and its contents at daily intervals when he was alone in the office. He was also connected by circumstances with another reported loss at the hotel during the season; he was questioned at length by the Superintendent and released for the lack of sufficient evidence to warrant his being held. In the event of additional information being received, further inquiries will be made to determine the identity of the person responsible for the loss.

VI. MUSEUM, NATURE GUIDE WORK, EDUCATIONAL WORK

Patronage of the museum and information office at Mammoth Hot Springs showed a decided increase this season. Of the 154,282 visitors to the park 52,162 (33.8%) were in the information office and museum. As compared to last season, with a total attendance of 144,158, there were 30,904 (21.4%). The net percentage increase of 1925 over 1924 is 57.9%. We have not taken into account the attendance at the Buffalo Jones Museum at the Buffalo Corral at Mammoth, nor the branch museum at Tower Fall, which was started this season. In the above compilation of figures. Interest in information about the park is making demands upon the time of those engaged in imparting it to such a great extent that it is only a question of time when the information-dispensing facilities and the personnel engaged in this work will have to be increased many fold. This increase is greater, considerably, than the attendance increases from year to year.

Only a humble beginning has been made in the establishing of branch museums when one considers the great possibilities of serving the

public in this admirable way. The Buffalo Jones Museum and the Zoo attracted so much attention that it is evident such a development is absolutely necessary. It is definitely planned to equip all the larger ranger stations on The Grand Loop Road of the Park with exhibits and data before the opening of next season. The large rooms available at Old Faithful, Lake and Grand Canyon in the ranger stations afford enough space to make a good start in this work. The material will treat particularly the natural features, fauna, flora and geology of each vicinity, maps of the entire park and highways outside of the park which are the main arteries of travel.

The investigations of Dr. C. H. Bumpus, Duxbury, Mass., and his Executive Assistant, Mr. Herbert Maier, Oakland, Calif., representing the Committee on Museums in National Parks of the American Association of Museums, conducted this season, and their evident enthusiasm over the possibilities, may lead to substantial expenditures in the development of the museum at Mammoth, branch museums throughout the park, shrines at important points of scientific or historical interest, and to the enlargement of educational facilities commensurate with the variety and importance of the features of Yellowstone National Park.

Nature guide service to small parties, treating the Nature features such as trees, flowers, shrubs, grasses, birds, animals, reptiles, insects, lichens, minerals, rocks, fishes, and whatever comes into view, have proven very worth-while under the direction of Dr. H. S. Conard of Grinnell College, Grinnell, Iowa, the Nature Guide at Camp Roosevelt. It is planned to have a substitute for Dr. Conard, a large part of the time, next summer so he can devote considerable time in assisting the guides, lecturers, attendants at information desks and in the museums throughout the park, which due to his knowledge and personality should prove very worthwhile.

Mr. Edmund J. Sawyer, Park Naturalist, has produced some very fine drawings and sketches in color for the Service, which it is planned to duplicate in full color for exhibition in the branch museums and information offices throughout the park in time for next season. The subjects which he has done, and is now engaged in doing, are those which it is difficult, or impossible to obtain photographically or in any other way except as he is doing. These include birds, mammals and habitats.

In connection with park publicity as well as the museums work it has been decided to have a complete photographic laboratory, which is now nearing completion. It is designed along the most efficient lines, the equipment not already here has been ordered, and when it is opened in the spring of 1926 under the management of an experienced photographer it will doubtless prove invaluable in expediting the work.

Many articles of historical interest were donated to the museum, perhaps the most notable exhibit being the gun donated by William J. O'Loughlin. This gun was used by Chief Joseph in the Nez Perce raid

(1877) through the Yellowstone. Numerous other articles have been received and are placed in the Museum properly labeled. These have been obtained chiefly through the efforts of J. E. Haynes, Acting Director of the Museum. Volume 2, Number 4, of "Nature Notes" was issued and distributed during the month. During the season there has been great demand for these, our mailing list now containing about 300 names, and it is gradually increasing. A complete set of these Nature Notes has been sent to the Congressional Library in Washington, D.C., for reference purposes.

Nature Guide Service

The ranger guide service at Mammoth Hot Springs and Old Faithful as outlined in preceding reports was concluded at Old Faithful on the 13th, and at Mammoth Hot Springs on the 19th. The season totals are as follows:

Old Faithful Hotel	12763	Old Faithful Camp	19129	Total	31892
Mammoth Hotel	5809	Mammoth Camp	9047	Total	14856
				Season total46748

The guide party totals at these points for the season of 1924 are indicated for comparative purposes as follows:

Old Faithful Hotel	10917	Old Faithful Camp	16784	Total	27701
Mammoth Hotel	4542	Mammoth Camp	6466	Total	11008
				Season total.....	38709

The nature guide service at Tower Falls as outlined in preceding reports was concluded on September 10th and the attendance throughout the season is reported as follows:

Nature talks at Camp Roosevelt prior to August 1st, 646; and from August 1st to the close of the season 548, season total 1194.

Nature hikes in the Tower Falls District, prior to August 1st, 672, and from August 1st to the close of the season 436, season total 1108, as compared with 1883 last year.

The nature hikes at Mammoth Hot Springs, which are included in the guide party totals at this point, have been well attended. The total of these parties to August 1st was 602, the total for August was 1089 and for September 306; season total 1997.

Public interest in the lecture service at Mammoth Hot Springs and Old Faithful has been attested by record attendance throughout the season. The attendance at Mammoth Hot Springs was approximately 72160, and Old Faithful 40282 as compared with 68,000 at Mammoth Hot Springs and 36,000 at Old Faithful last year.

VII. MISCELLANEOUS

Medical Service

During the month of September Dr. Strickland reports 26 professional calls and 75 office calls.

Dr. Windsor and his staff moved to the Park Hospital in Livingston, Mont., at the close of the season, and all cases requiring hospital service are sent there. Dr. Strickland is the resident physician and will render medical service to Government employees in Yellowstone Park. At the Yellowstone Park Hospital during the season the following cases were cared for: 25 fractures, 6 contagious, 25 major operations, 147 sick - total 203. At the hotel and permanent camp dispensaries 1983 cases were treated. There were 4 births and 11 deaths in the park during the year.

Post Office

During the last two weeks of the tourist season (September 7 to 20) the amount of mail handled by the carriers showed the customary decrease.

The Postoffice was moved from the large barracks building back to the winter quarters in the Bachelor Building on the last day of September. Business was transacted at the winter quarters on the morning of the first of October.

Religious Services

Services were held in the Yellowstone Park Chapel during September as follows:

September 6, morning services (Episcopal) by Wm. Friend Day, and evening services (congregational) by Rev. S. R. McCarthy.

September 13, morning services (Episcopal) by Wm. Friend Day, and evening services (Congregational) by Rev. S. R. McCarthy.

September 20 (morning services - Episcopal) by Wm. Friend Day, and evening services (Baptist) by Thos. L. Huxley.

No services were held on September 26th.

School: School opened on Sept. 8 with 16 pupils; Mrs. Vena Green, teacher.

Other Matters of Interest

Extension of Yellowstone Park: As reported in the August report the President's Coordinating Committee approved an extension of Yellowstone

National park to include the Teton Mountains and the headwaters of the Yellowstone River, also certain areas north and east of the park. During the month of September intense opposition to this extension plan developed in the Jackson Hole. Certain men of Jackson attempted to line commercial organizations of the State against the plan but friends of Supt. Albright succeeded in delaying action until they could get the other side of the story. This necessitated a vast amount of correspondence in the Superintendent's office. At the end of the month the situation looked distinctly more favorable to the extension.

Cordially yours,

LEROY HILL
Acting Superintendent.

The Director,
National Park Service,
Dept. of the Interior,
Washington, D.C.
AEM

DEPARTMENT OF THE INTERIOR
National Park Service
Yellowstone National Park
Yellowstone Park, Wyo.

September 1, 1925

Changes in duty assignments for members of the Permanent ranger force and terminations of service during the season of 1925 have occurred or will occur as follows:

NAME AND STATION	RELEASED FROM SERVICE	FALL AND WINTER SEASON ASSIGNMENT
<u>MAMMOTH STATION</u> Sam T. Woodring		In charge of Ranger Department Hdqtrs Station
Harry Trischman 1st Asst Chief Ranger		In charge of Western Supervisory Territory with headquarters at Riverside Sta.
Julius L. Greer Earl S. Bowman Roy T. Frazier Charles A. Hoyt	Convenience of service.	Ranger Office, Mammoth Tower Falls Station Lake Station
Irving F. Wiltse	August 20th.	
Nathan T. Bartlett	September 20th	
Harry D. Ballard	September 20th	
Glenn A. Wilcox	August 19th	
J. H. Sparrenberger	September 10th	
R. M. Mulfinger	September 10th	
Jack B. Wisely	September 5th	
Jacob A. Goodman	September 10th	
William R. Hamsa	September 10th	
Mrs. F. B. Nelson	September 20th	
Gerrit Demmink	Sept. 10th.	
Edward J. Tracy	September 20th	
Dorr G. Yeager	September 10th	
Francis H. Miller	Convenience of service.	
Horace Hildreth	September 1st	
Charles Phillips		Old Faithful Station
Peter R. Oard		Lake Station
<u>GARDINER STATION</u>		
Thad C. Pound		Gardiner Station
A. L. McLaughlin		Gardiner Station
Luther Bohannon	September 2nd	
William R. Pollock	September 10th	
<u>WEST YELLOWSTONE CHECKING STATION</u>		
Harlie Hodgins	Convenience of service	
Elmer Kingery	September 8th	
Wm. R. Seward	September 15th.	
<u>SYLVAN PASS</u>		
Roby Roy Wisdom		Sylvan Pass Station
Mrs. Irene Wisdom	September 20th	
William Ennis	September 10th	
John R. Huffman	September 10th	

NAME OF STATION	RELEASED FROM RELSERVICE	FALL AND WINTER SEASON ASSIGNMENT
<u>SNAKE RIVER</u> Lee Cottrell David E. Andrew Wallace D. Keown	September 3	Snake River Station Lake Station
<u>NORRIS</u> Edw. B. Cogswell Eugene K. Taggart	September 15th September 1st	
<u>MADISON JUNCTION</u> Ransom L. Park Michael Z. Ferguson	Convenience of service. July 3rd	
<u>FOUNTAIN</u> John Delmar Sr.	September 20th	
<u>OLD FAITHFUL</u> Carl Dunrud George T. Ross Eugene V. Robertson Harold L. Strader Joseph W. Byrns, Jr Kenneth C. Wahl Robert L. Wilson Henry O. McCormick	September 5th September 5th September 15th September 15th September 15th September 1st September 15th	Hellroaring Station
<u>THUMB</u> Wendell S. Keate Geo. W. Miller	September 20th September 15th	
<u>LAKE</u> Joseph Douglas, Asst Chief Ranger Harry J. Leik Herschel R. Bowman Wm. M. Kocher Douglas McMurray Harlan L. Kelsey Franz J. Montgomery Lawrence P. Desmond	 September 20th September 2nd September 20th August 5th September 10th	In charge of Northern Super- visory Territory, head- quarters at Mammoth In charge of Southern Super- visory territory, head- quarters at Lake Station Crevice Station
<u>CANYON</u> Edward E. Ogston Ralph W. Pierson Frank W. Mondell Jr Arthur Chapman Leland E. Glasgow Karl J. Hardy Elmer A. Kell, Jr Burrel P. Smith	 September 9th September 1st September 15th September 1st September 15th September 1st September 5th	Blacktail Cabin
<u>MT. WASHBURN</u> John Delmar, Jr Winfield E. Page	September 20th September 3rd	
<u>TOWER FALLS</u> John Bauman William W. King E. H. Ryneearson Henry S. Conard	 August 11th September 1st September 15th	In charge of Lake Station

NAME AND STATION	RELEASED FROM SERVICE	FALL AND WINTER SEASON ASSIGNMENT
<u>GALLATIN</u> Geo R. Winn Nelson E. Hall	To be released from service	In charge of Gallatin Stat.
<u>RIVERSIDE</u> Arthur Jacobsen		In charge of Riverside Sta.
<u>BECHLER RIVER</u> Albert T. Bicknell		In charge of Bechler River Station
Tom A. Renick	September 5th	
<u>UPPER YELLOWSTONE</u> Walter J. Beirson		Gallatin Station
<u>COOKE CITY</u> Clifford Anderson		Cooke City Station
<u>HART LAKE</u> Carl G. Henn	September 20th	
<u>SOD BUTTE CABIN</u> James H. Dupuis		Sod. Butte Cabin
<u>UPPER SLOUGH CREEK</u> James McBride		Upper Slough Creek Station
<u>HEWING RING STATION</u> Ray C. Brown		Crevice Station
<u>UNASSIGNED</u> Ed J. Bruce		Unassigned

(Sgt) HORACE M. ALBRITTON
Superintendent.

HMA/nb

September 7, 1925.

Circular No. 13.

The Yellowstone National Park School Board is hereby reorganized as follows:

Chairman, Dr. H. A. Strickland,
Mrs. H. M. Albright,
Mr. R. J. McDonald.
Assistant Superintendent Leroy Hill
will act as Treasurer of the Board.

The new board is requested to meet at once, inspect the premises of the school and make recommendations to the Superintendent's office for improvements, changes in methods of care for the school room and grounds, etc.

Foreman Harry McFarland is hereby instructed to take over the task of keeping the school house clean and providing the necessary fuel, and, until such time as there is a fireman available, he will have fires built and stoves cared for in the school.

HORACE M. ALBRIGHT
Superintendent.

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYO.

ICE OF THE SUPERINTENDENT

September 15, 1935.

CIRCULAR NO. 14.

Effective Sunday, September 20th, the winter schedule for the telephone operators will go into effect, with shifts as follows:

	<u>Operator</u>	<u>From</u>	<u>To</u>	<u>Hours</u>
1.	Miss Roach	7.30 a.m.	12.00 noon	4-1/2
2.	Mrs. Allan	12.00 noon	6.30 p.m.	6-1/2
3.	Miss Roach	6.30 p.m.	8.30 p.m.	2

Should there be any deviation at all from this schedule the superintendent's office should be so advised. The superintendent's office should know at all times what operator is supposed to be on the switchboard.

HORACE M. ALBRIGHT
Superintendent

Copy to: Miss Roach
Mrs. Allan
Mr. Hill

DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
Yellowstone Park, Wyo.

Office of the Superintendent.

September 21, 1925.

CIRCULAR NO. 15.

All circulars now outstanding with reference to the duties of the Assistant Superintendents are modified as follows:

On and after this date the Steward and Master of Transportation will have charge of all property belonging to the Government in Yellowstone National Park wherever situated except in the Superintendent's office and the museum and information office. He will have full power to inventory, store and care for all such Government property hereby placed under his control. At this time it will not be necessary for him to take any action with reference to the property belonging to the sanitation and plumbing department except to cooperate with the master plumber in the taking of accurate inventories.

As to the property belonging to the mechanical department he will confer at once with the master mechanic and plan two different methods of storing and handling material, equipment and supplies belonging to this department. He will endeavor to develop a plan whereby this property may be kept in the shops in bins, on shelves and in other appropriate places which may be securely locked from the general public or from other employees.

He will also plan a system for caring for this property in the general commissary, both plans to be submitted to me not later than October 15th.

At the termination of the services of the motorcycle mechanic the motorcycles will be securely stored in the commissary, together with all spare parts and tools. This will be done in order to place the motorcycle shop at the disposal of the master mechanic during the winter months.

The steward and master of transportation will cooperate with all department heads to the end that the care of property shall be made more and more efficient, that the best possible uses will be made of all equipment, material and supplies and that no new property will be purchased unless absolutely necessary in the absence of existing property.

The steward and master of transportation will hereafter, or until further notice, report directly to the superintendent of the park and to the acting superintendent in his absence.

HORACE M. ALBRIGHT
Superintendent.